

Tier1

BloombergNEF



ISO 9001
ISO 45001

ISO 14001
OHSAS 18001

SA 8000



G12 HI-EFF BIFACIAL HJT

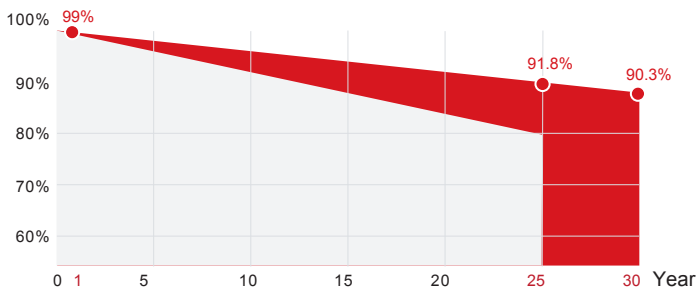
SP-210-132DSxxx

690~725W

- Double glass
- Silver frame
- White mesh

· 15 Yr quality guarantee | 30Yr power warranty

- SUNPRO HJT module (Additional value from 30-year warranty)
- Common module



*SUNPRO Standard tiered warranty



WARRANTY & GUARANTEE

Linear output power guarantee
25 years: 91.8% power output
30 years: 90.3% power output

WITHSTAND STRONG

Snow load 5400Pa
Wind load 2400Pa

ADVANCED BIFACIAL EFFICIENCY

Bifaciality > 95%, effectively improves backside power generation. A bifacial cell design that generates energy from both sides, capturing and converting more sunlight into power.

R&D AND PRODUCTION

Advanced production line. The leading solar cell cutting process and multi busbar design with SUNPRO Technology.

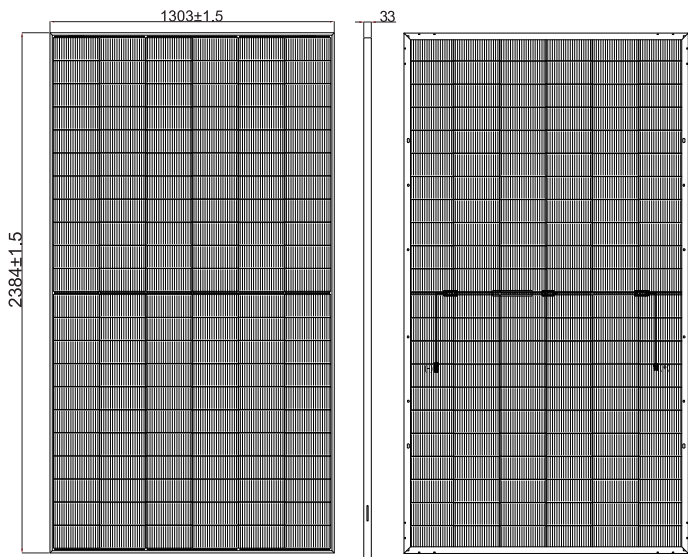
HIGH ENERGY YIELD

Efficiency can reach 23.34%. Excellent weak light performance and better performance in hot climate. Leading temperature coefficient for more production when the sun shines strongest, Or under the cloudy, haze condition

Electrical parameters at standard test conditions (STC:AM=1.5, 1000W/m², Cells Temperature 25°C)

Typical type	690W	695W	700W	705W	710W	715W	720W	725W
Max power(Pmax)	690	695	700	705	710	715	720	725
Max power voltage(Vmp)	41.6	41.69	41.78	41.87	41.96	42.05	42.14	42.23
Max power current(Imp)	16.6	16.69	16.76	16.84	16.93	17.02	17.1	17.18
Open circuit voltage(Voc)	49.57	49.67	49.77	49.87	49.97	50.07	50.17	50.27
Short circuit current(Isc)	17.63	17.72	17.81	17.9	17.99	18.08	18.17	18.26
Module Efficiency(%)	22.21	22.37	22.53	22.7	22.86	23.02	23.18	23.34
Max system voltage	DC 1500V(TÜV)							
Maximum Series Fuse Rating	35A							

DIMENSIONS AND STRUCTURE



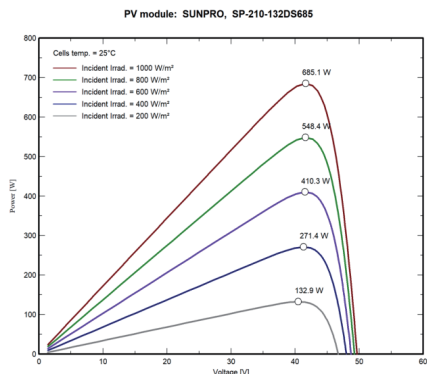
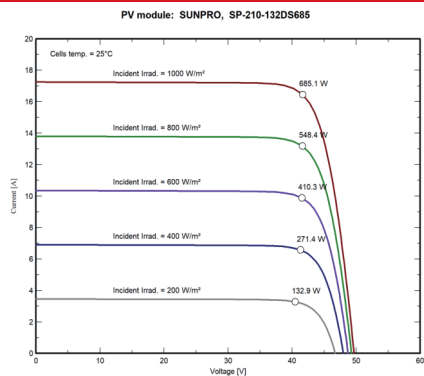
Electrical Characteristics with 15% Rear Side Power Gain

Front power Pmax/W	690W	695W	700W	705W	710W	715W	720W	725W
Total power Pmax/W	793.5	799.25	805	810.75	816.5	822.25	828	833.75
Vmp/V(Total)	41.8	41.95	42.1	42.25	42.39	42.54	42.68	42.83
Imp/A(Total)	18.98	19.05	19.12	19.19	19.26	19.33	19.4	19.47
Voc/V(Total)	49.82	49.98	50.13	50.29	50.44	50.59	50.74	50.88
Isc/A(Total)	20.16	20.23	20.33	20.41	20.48	20.56	20.64	20.73

Mechanical Data

Dimensions	2384x1303x33mm
Weight	38.1kg
Glass	(F)2.0mm ultra clear embossed semi-tempered coated glass (B)2.0mm white mesh semi-tempered glass
Output cables	4mm ² , 1300mm in length, length can be customized / UV Resistant
Connectors	MC4 compatible IP68
Cell type	Mono-Crystalline, Bifacial HJT, 210x105mm
Number of cells	132 cells (Half-Cell)

I-V CHARACTERISTICS AT DIFFERENT IRRADIATION



Temperature Characteristics

Temp.Coeff.of Isc(TK Isc)	0.04%/°C
Temp.Coeff.of Voc(TK Voc)	-0.24%/°C
Temp.Coeff.of Pmax(TK Pmax)	-0.24%/°C
Operating temperature	-40~+85°C
Normal operating cell temperature	44±2°C

Packing Configuration

Container	40'HQ
Pieces per pallet	33
Pallets per container	18
Pieces per container	594

Tests, Certifications and Warranties

Standard tests	IEC 61215, IEC 61730
System certs	ISO 9001, ISO14001, ISO45001
Certifications	TÜV, WEEE
Extreme wind and snow loads testing	Withstand extreme wind(2400 Pascal) and snow loads(5400 Pascal)
Power tolerance	0~+5W
Junction box	IP 68
Warranties	15 years product warranty and 30 years 90.3% of power